

ABSTRACT OF THE DISCLOSURE

A photonic crystal manufacturing method exposes two or more silver halide particle layers that contain silver halide particles which have different spectral sensitivity characteristics for each of the silver halide particle layers to light having wavelengths corresponding to the respective different spectral sensitivity characteristics, and then develops the exposed silver halide particle layers to form therein a periodic structure with an aggregate of developed silver. Photonic crystals can be manufactured with relative ease in a relatively short period of time. This method assures continued high accuracy.